



AKULAP is a powerful tool for measuring psycho-acoustic parameters like Loudness, Roughness, Sharpness, Impulsiveness etc.

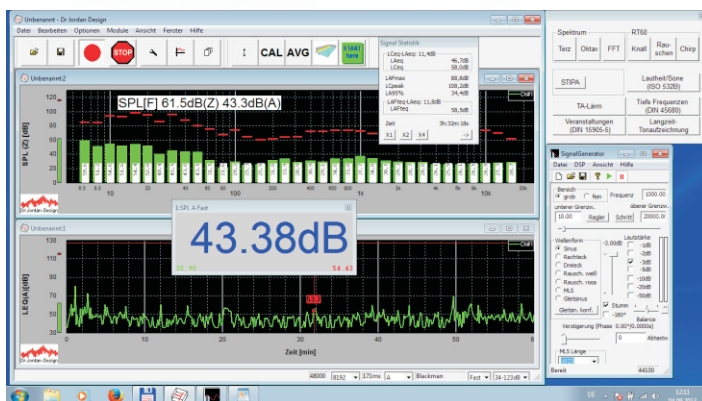
Such parameters allow classifying different sound sources much better than classical -more physical- parameters like SPL in dB.

Many applications are in the area of Noise-Vibration-Harshness (NVH), Automotive, Aviation, PC/Notebook manufacturer (e.g. fans, rotating disks, keypads), Home cinema equipment (e.g. fan noise for beamers), Household equipment, dishwashers, air conditioner etc.



## Features

- Sound level meter according to IEC61672 class 1
- 1/3 octave RTA according to IEC1260
- LAEQ/LCEQ LAFTMAX LCPEAK etc.
- high resolution FFT
- automatic HTML reporting
- graphical selection of areas of interest for further analysis
- export of data as .csv
- various DSP/Filter processing in real-time

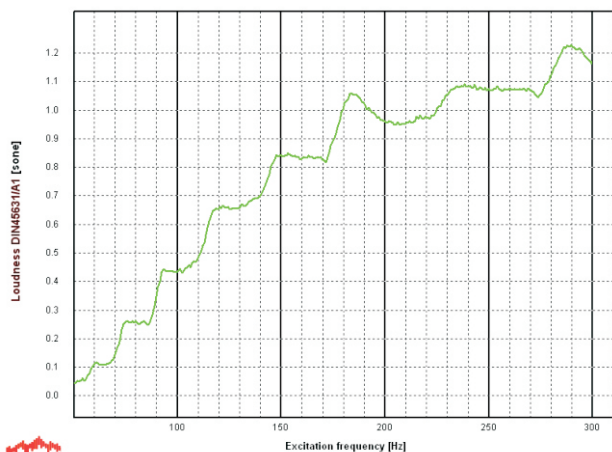


## Psycho-acoustic measurements

- loudness in sone (ISO532B)
- time-variant loudness DIN45631/A1 and ISO532-1
- specific loudness
- sharpness according to DIN45692
- tonal components DIN45681+IEC61400-11
- Roughness (Daniel&Weber)
- Impulsiveness
- Modulation analysis AM/FM
- GMW18141 and GMW14155 (press button noise)
- ECMA 418-1 Annex B prominence ratio
- display psycho-acoustic parameter vs. time
- in dual channel mode display psycho-acoustic parameter vs. excitation frequency

## Flexible Input-Modules

- various IEC61672 class 1 or 2 microphones
- import of .wav files
- ASIO/WDM/DirectX
- USB measurement microphones (Dynamic 7 - 160dB depending on the capsule)
- multi-channel measurements with interfaces from data-translation (up to 256 ICP/IEPE channels)
- supports Audio Precision APX series as a sequence mode plug-in



## System requirements

Windows XP/Vista/Win7/8/10/11 32 and 64 Bit  
measurement front-end